NWS Forecast for: MIDDLE TANANA VALLEY-INCLUDING...FAIRBANKS

409 AM ADT TUE APR 8 2008

TODAY...MOSTLY CLOUDY. FLURRIES. HIGHS 25 TO 30. LIGHT WINDS. TONIGHT...MOSTLY CLOUDY. SCATTERED SNOW SHOWERS. LOWS 10 TO 15. LIGHT WINDS.

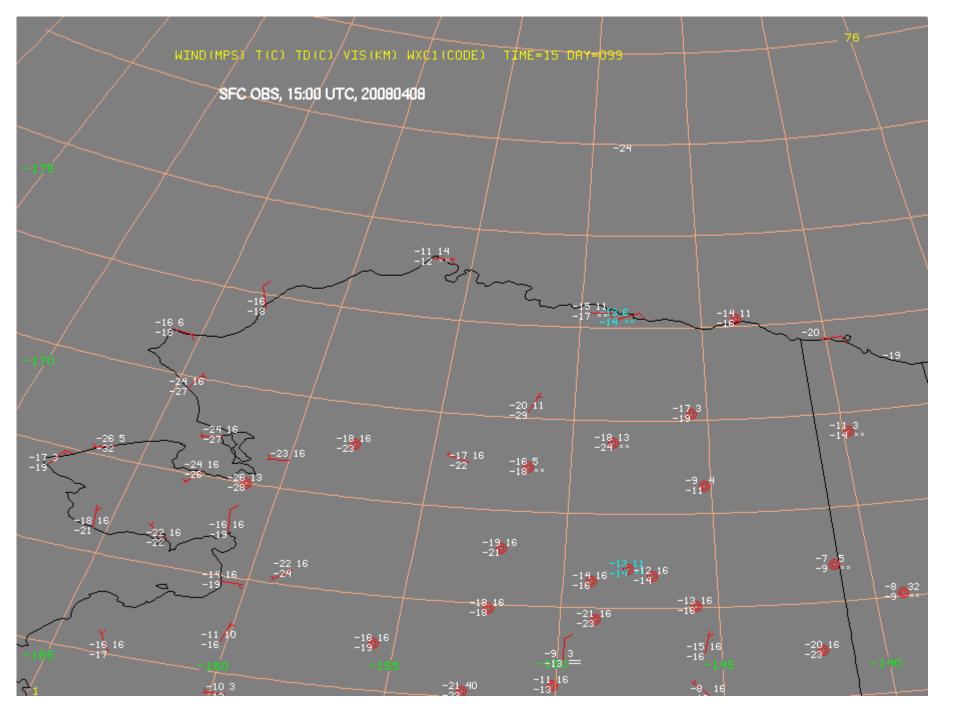
WEDNESDAY...MOSTLY CLOUDY. A CHANCE OF SNOW. HIGHS 25 TO 30. LIGHT WINDS. WEDNESDAY NIGHT...MOSTLY CLOUDY WITH A CHANCE OF SNOW. LOWS 15 TO 20. NORTHEAST WINDS TO 10 MPH.

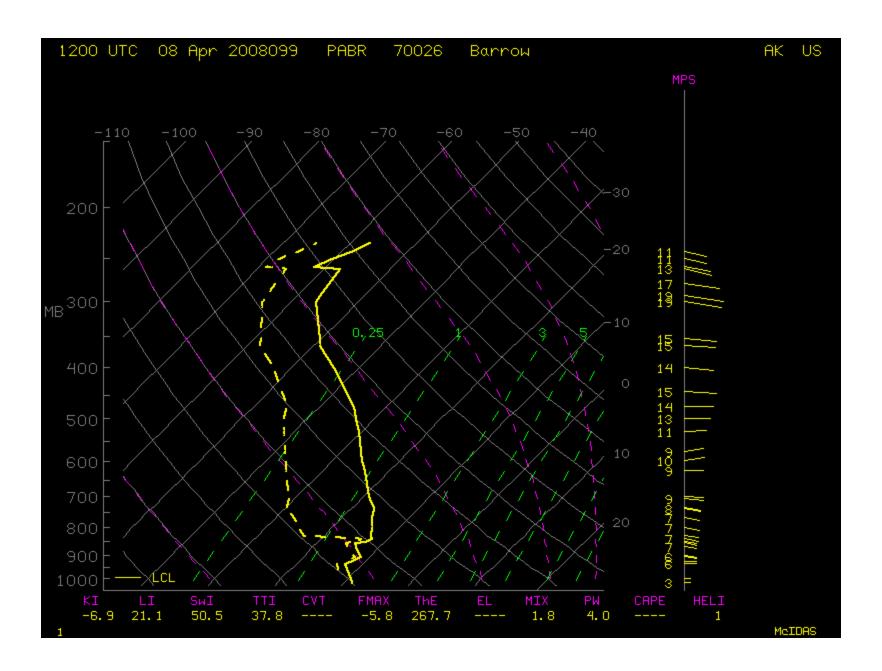
THURSDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW. HIGHS AROUND 30. NORTHEAST WINDS TO 10 MPH. THURSDAY NIGHT...CLOUDY. LOWS NEAR 15.

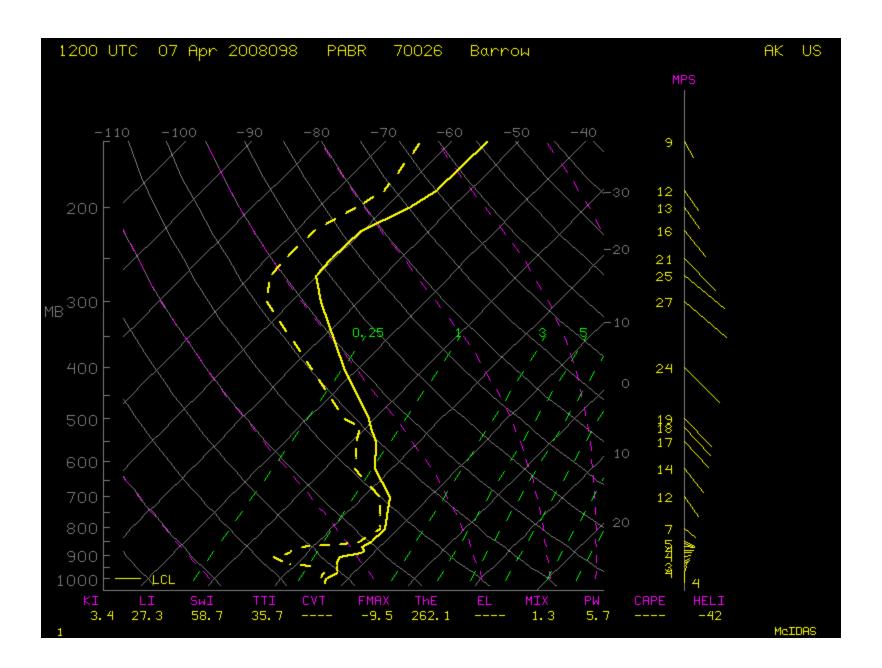
FRIDAY...MOSTLY CLOUDY. HIGHS NEAR 35. .FRIDAY NIGHT...CLOUDY WITH A CHANCE OF SNOW. LOWS NEAR 20.

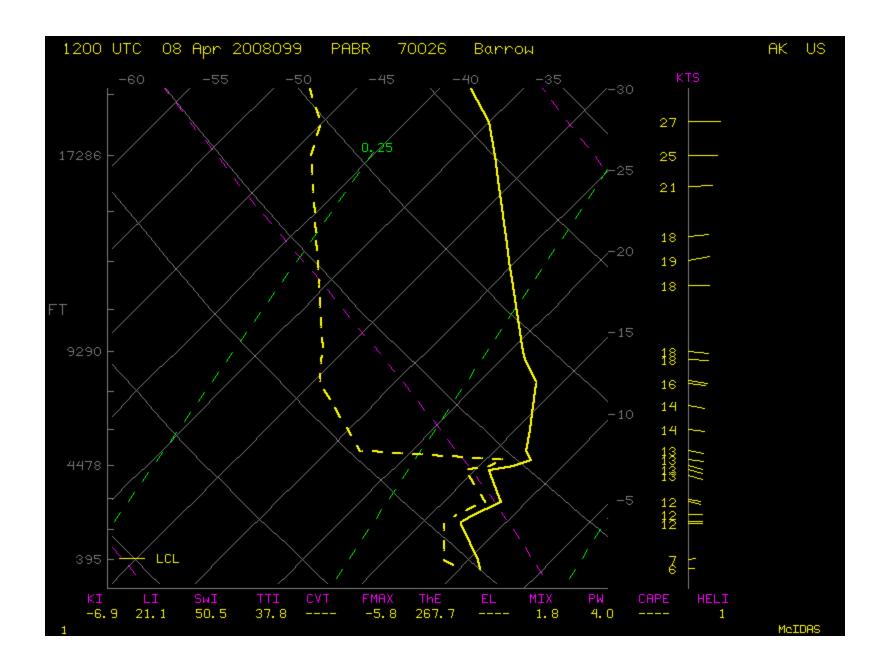
SATURDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW. HIGHS NEAR 35. SATURDAY NIGHT...MOSTLY CLOUDY WITH A CHANCE OF SNOW. LOWS NEAR 15.

SUNDAY...MOSTLY CLOUDY. HIGHS NEAR 35.

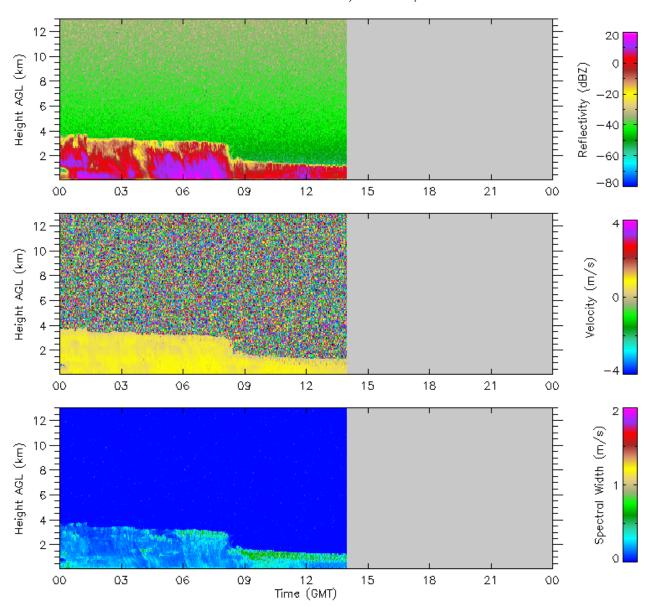


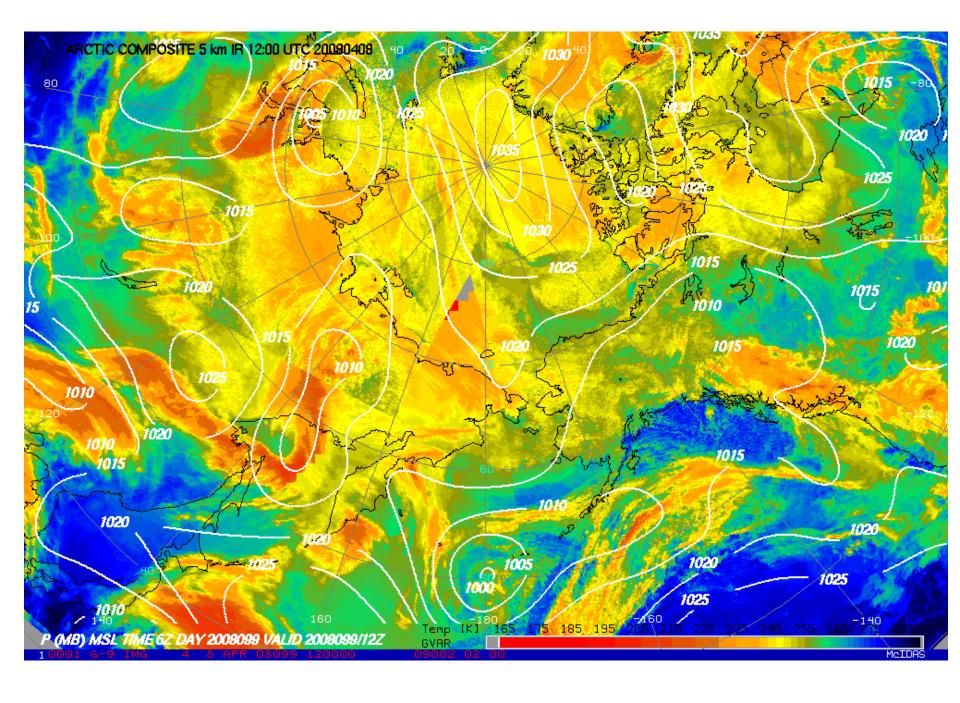


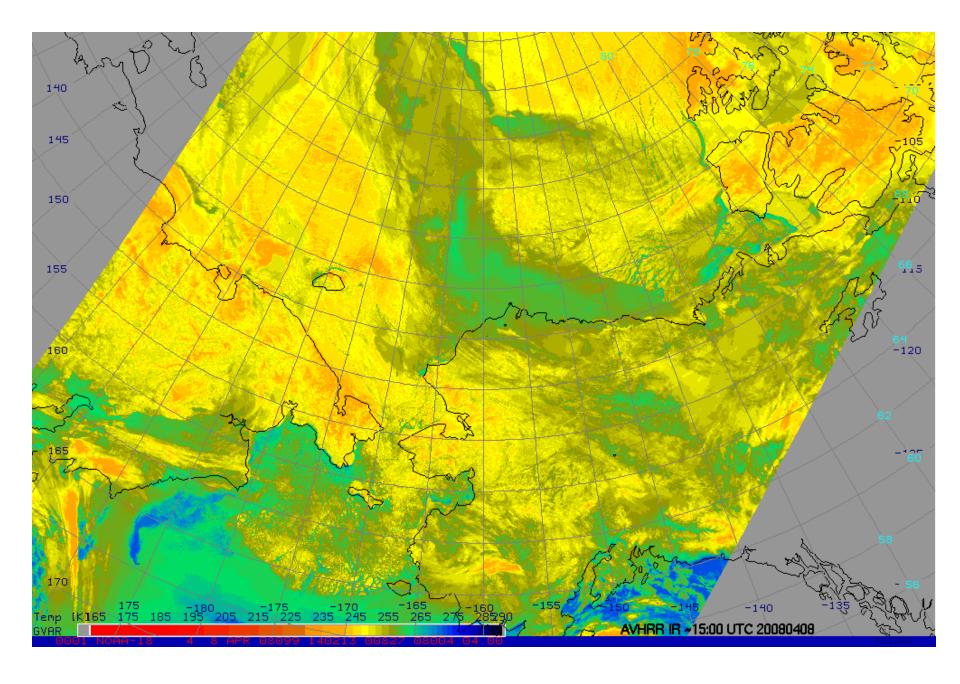


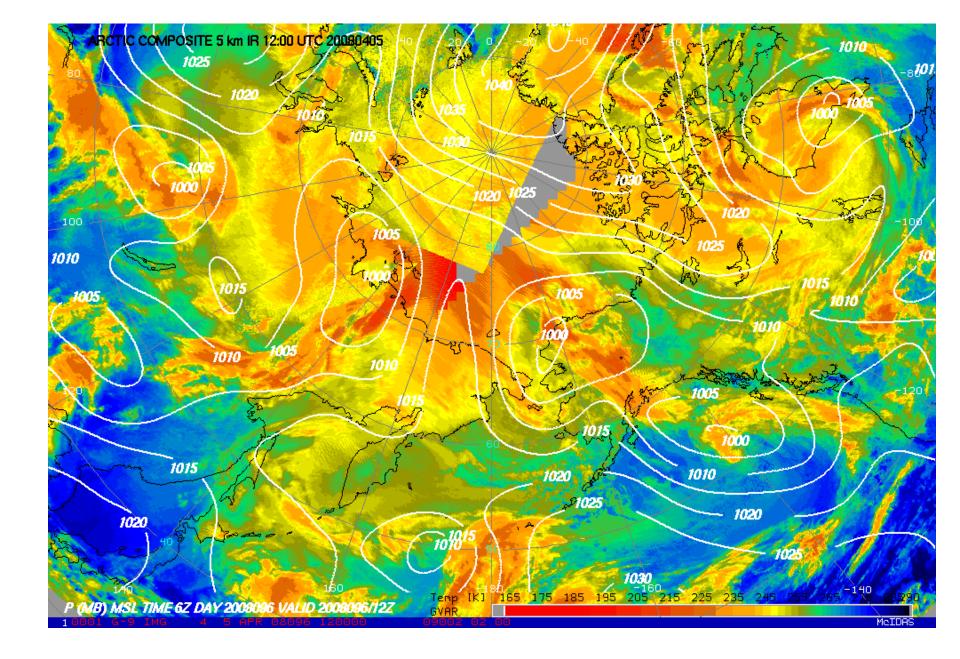


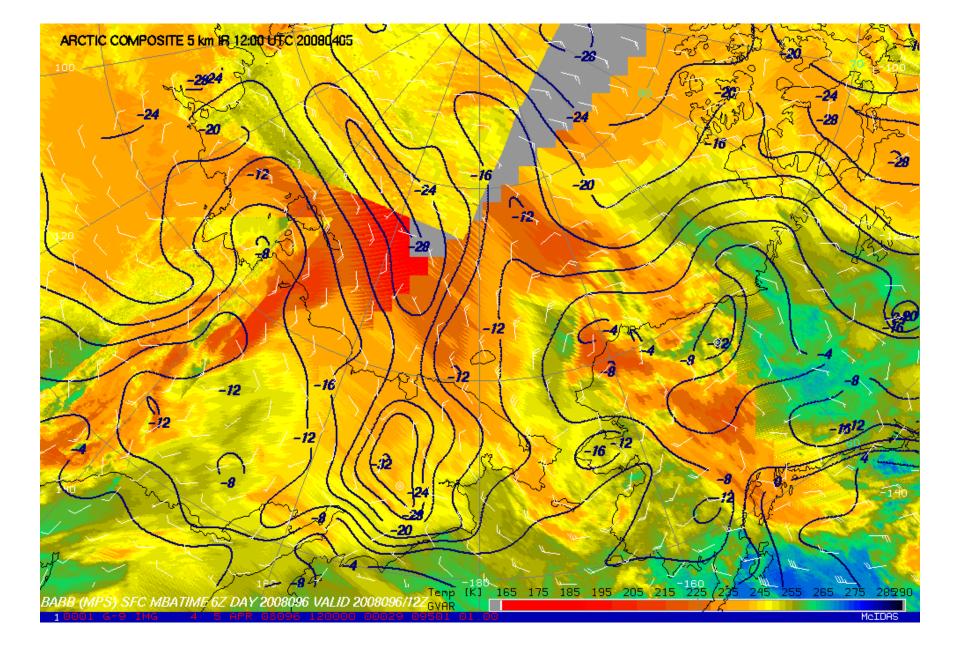
20080408 nsammcrmomC1.b1, General, Mode 3

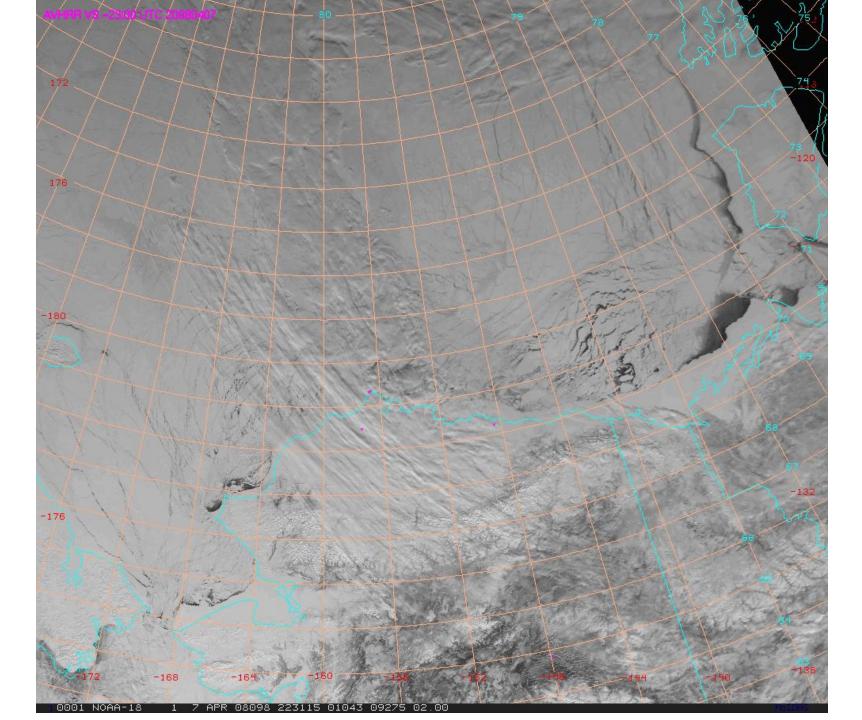






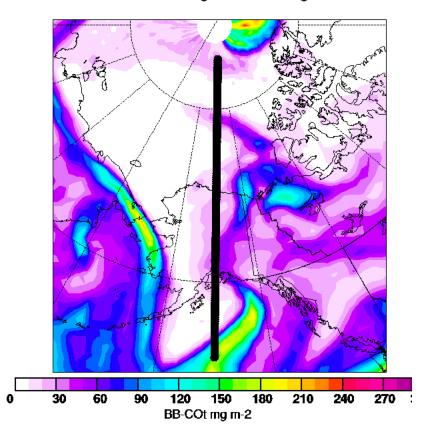


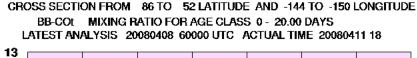


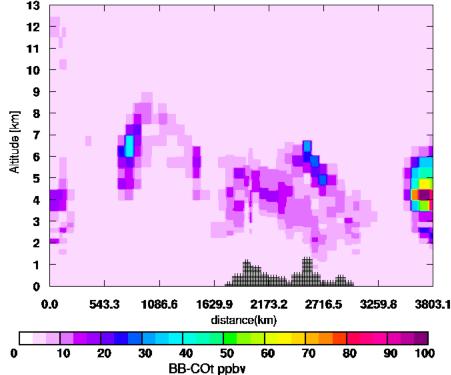


Friday Biomass Burning

Total column of species BB-COt for age class 0 - 20.00 DAYS
Latest analysis time 20080408. 60000 Actual time 20080411.180000
Mean value 0.435E+02 Maximum value 0.360E+03 Minimum value 0.1
Distance of grid lines 20.0 deg

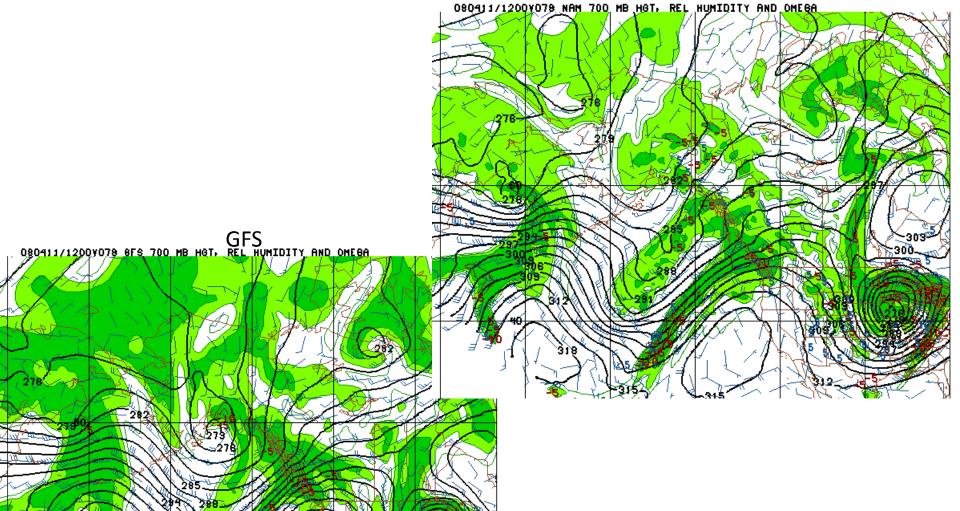




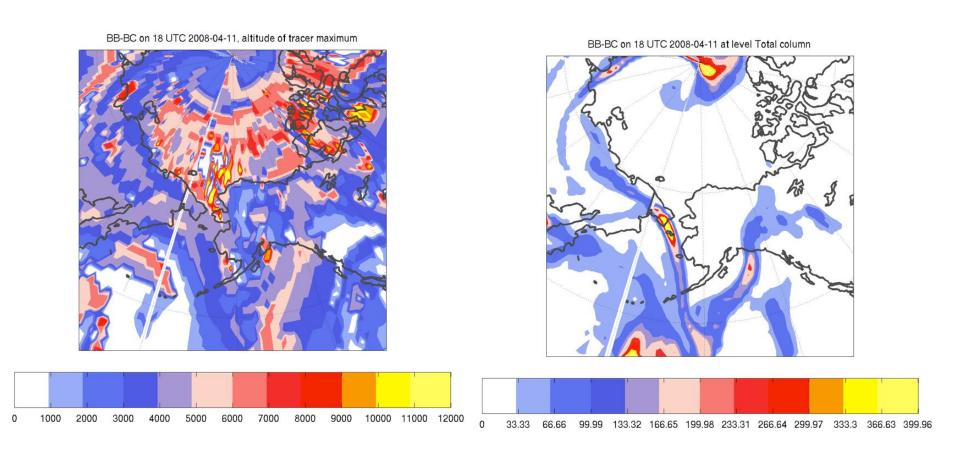


Friday: GFS vs NAM





BB black carbon on 18Z 11 Apr



Alt of plume max

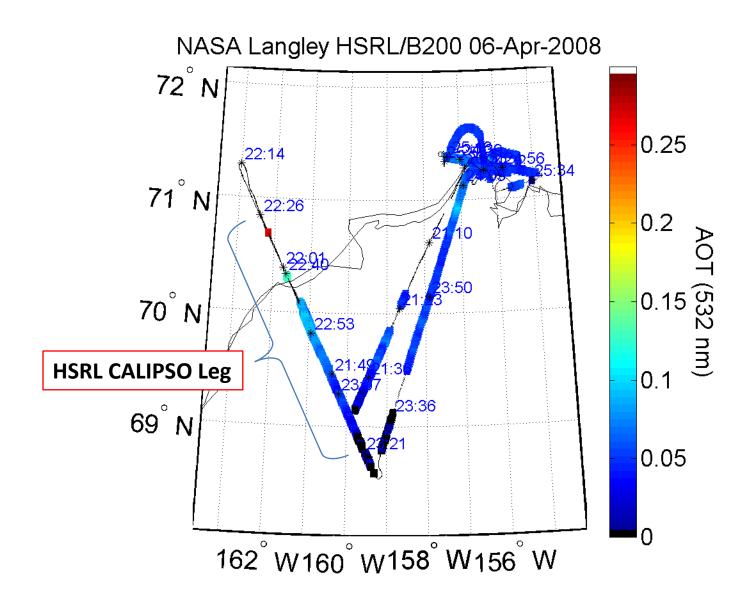
TOC black carbon

forecast from 06Z 20080407

RAQMS Fairbanks Local FX Discussion:

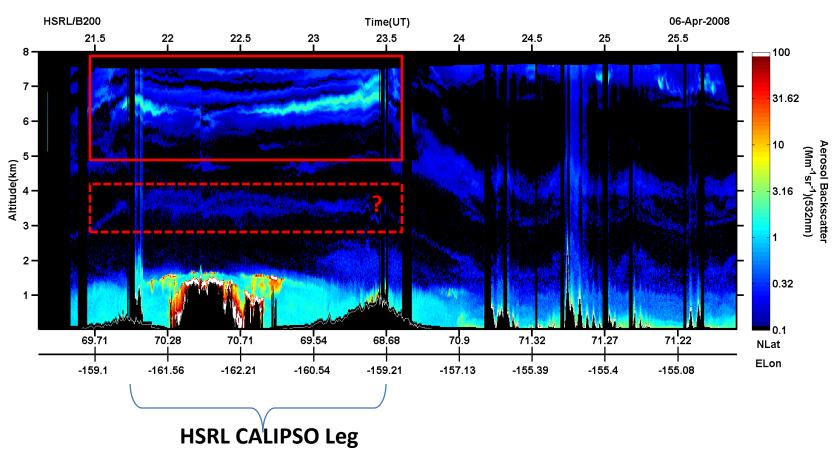
00Z 04/11/2008 (84hr) 00Z 04/12/2008 (108hr)

initialized 12Z 04/07/2008

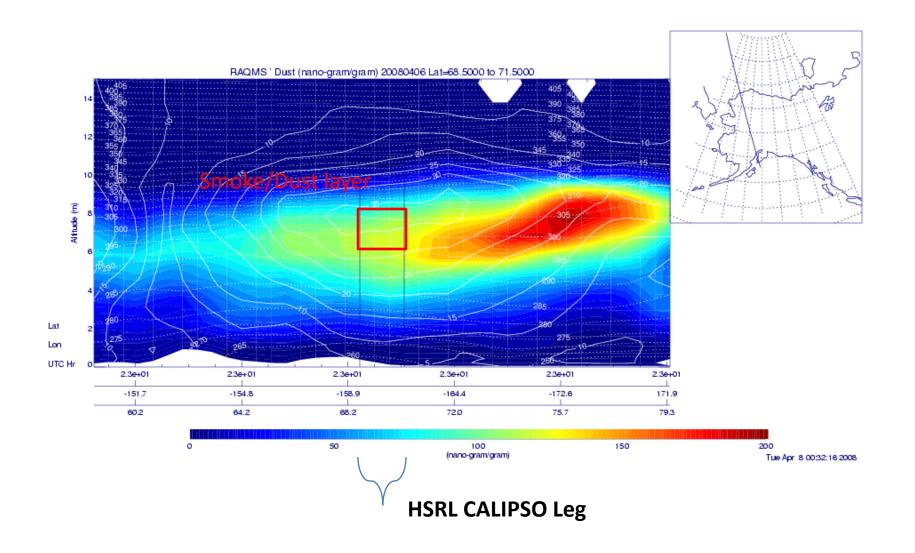


HSRL Aerosol Backscatter 04/06/2008

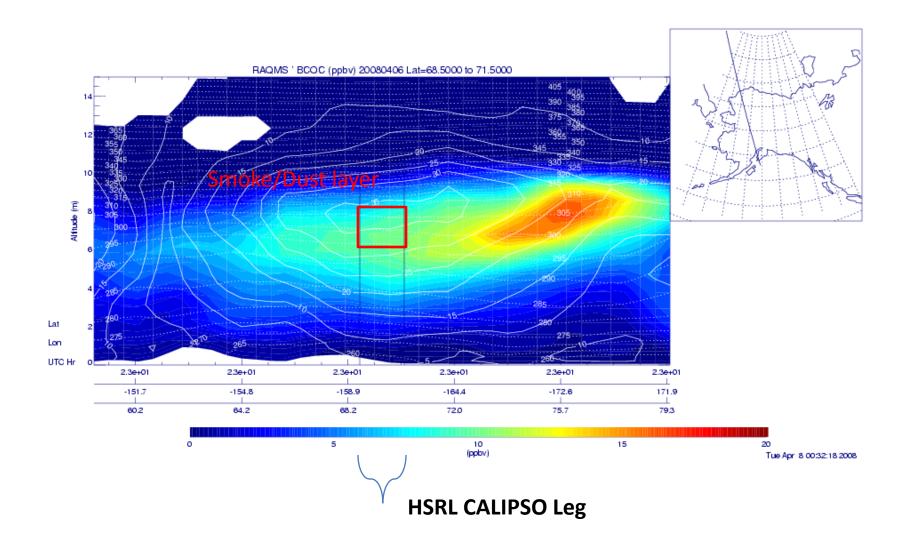
Smoke/Dust layer



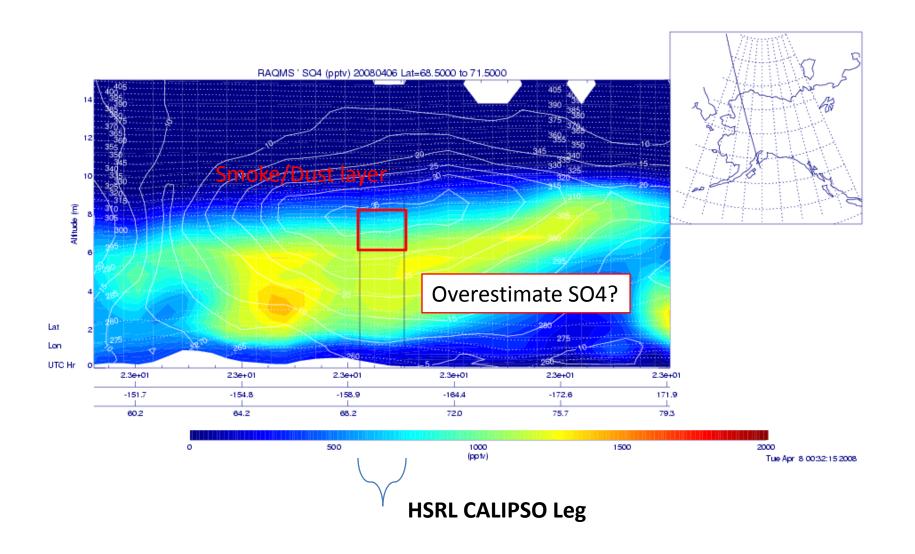
RAQMS 12hr FX Dust along CALIPSO Track 04/06/2008

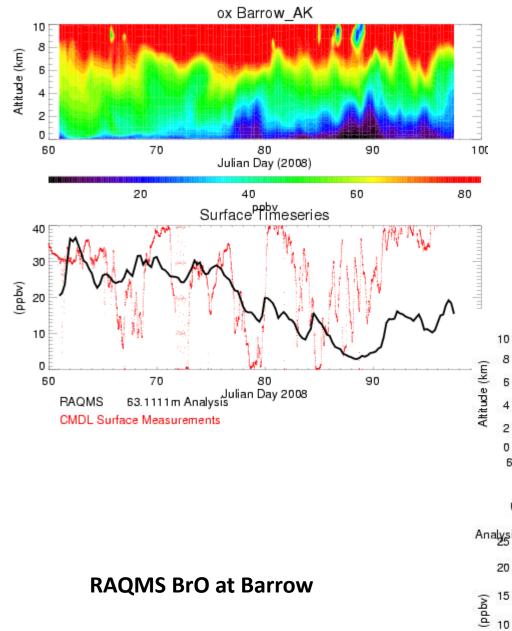


RAQMS 122hr FX BCOC along CALIPSO Track 04/06/2008



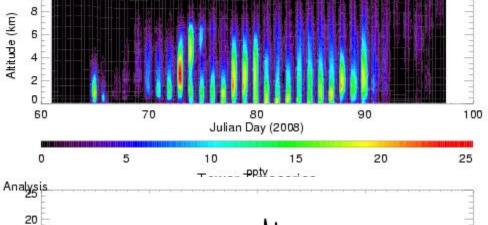
RAQMS 12hr FX SO4 along CALIPSO Track 04/06/2008





RAQMS O3 at Barrow

Depletion is too deep and therefore doesn't show Rapid recovery



80

Julian Day 2008

100

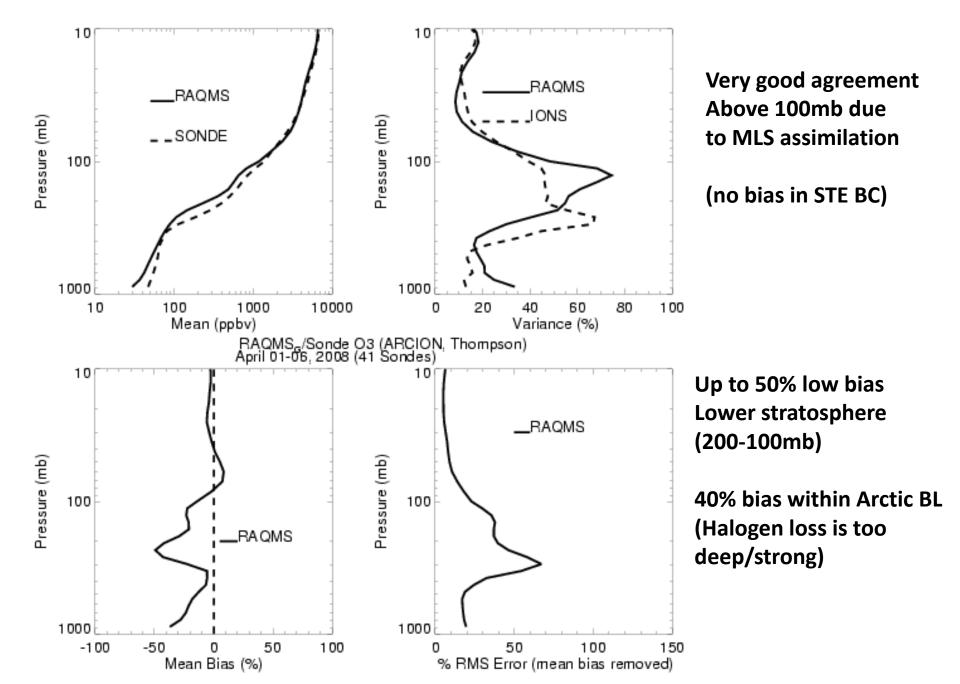
90

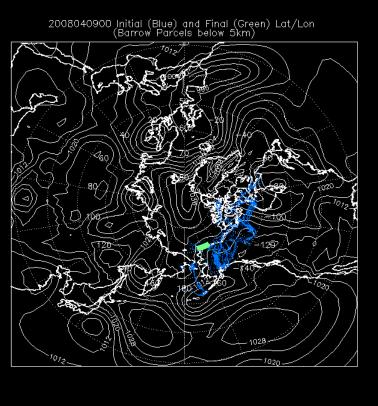
5

60

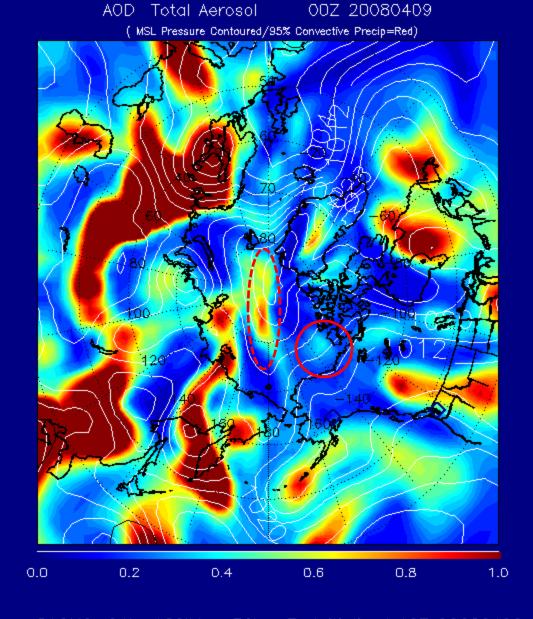
bro Barrow AK

Generally consistent with Bill Simpson's BrO slant columns

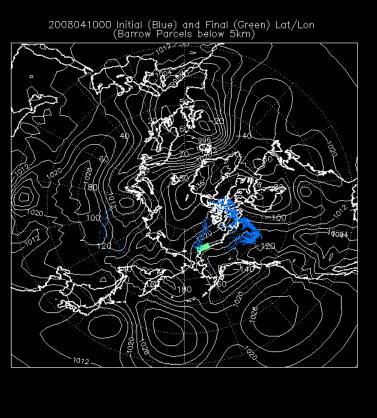




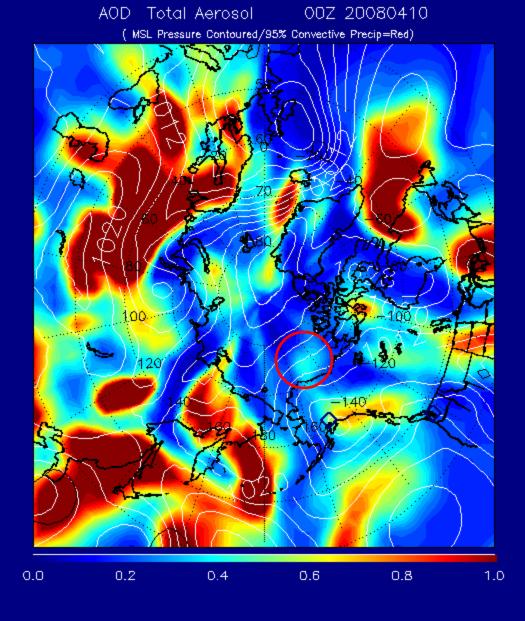
Tuesday (04/08) afternoon



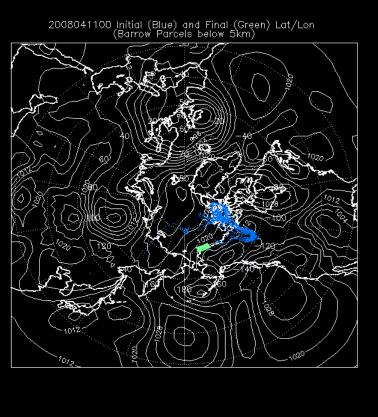
RAQMS_G 24hr ASSIM + 36hr Fx Initialized 12Z 20080406



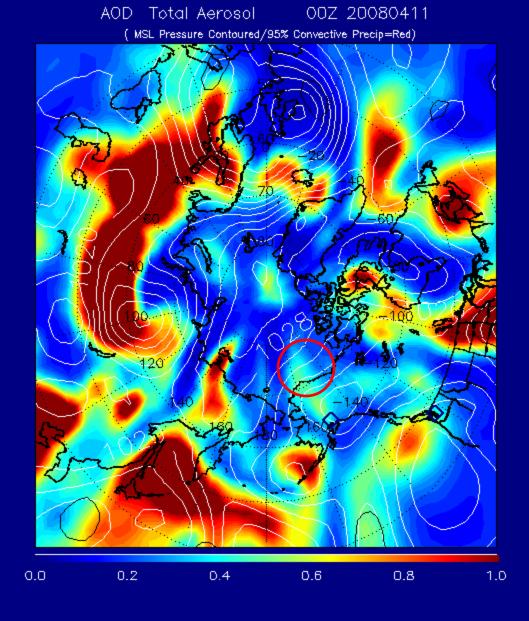
Wednesday (04/09) afternoon



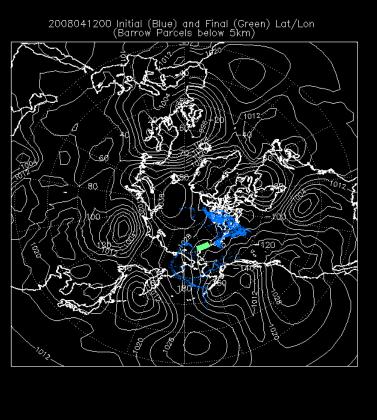
RAQMS_g 24hr ASSIM + 60hr Fx Initialized 12Z 20080406



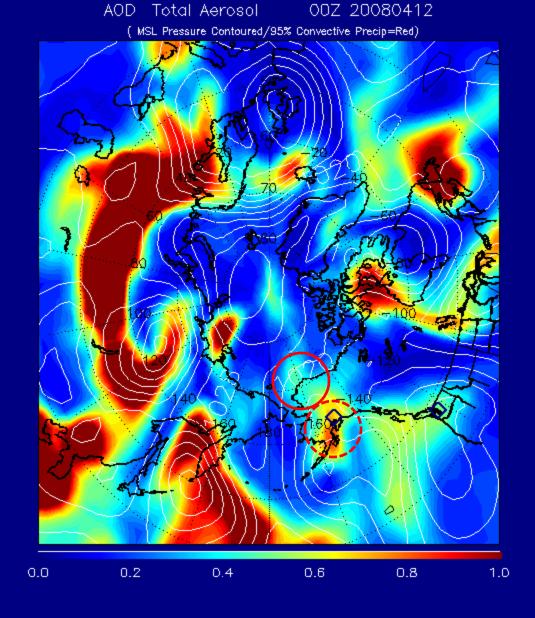
Thursday (04/10) afternoon



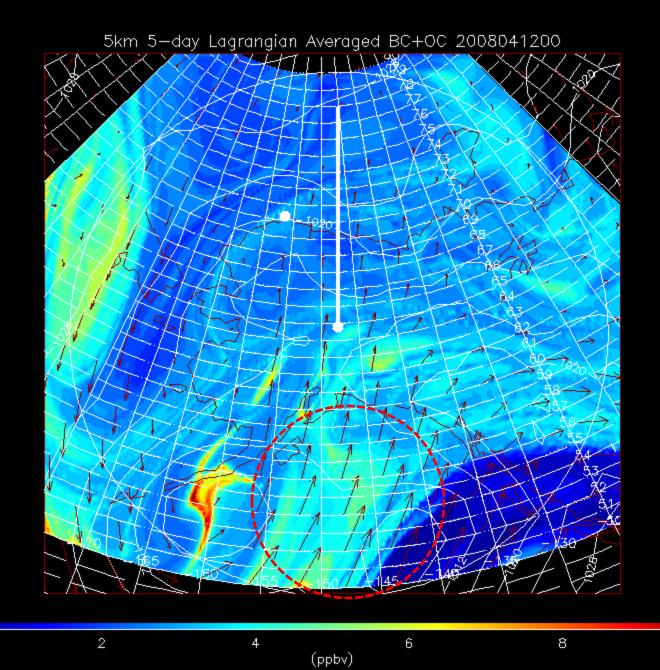
RAQMS_G 24hr ASSIM + 84hr Fx Initialized 12Z 20080406

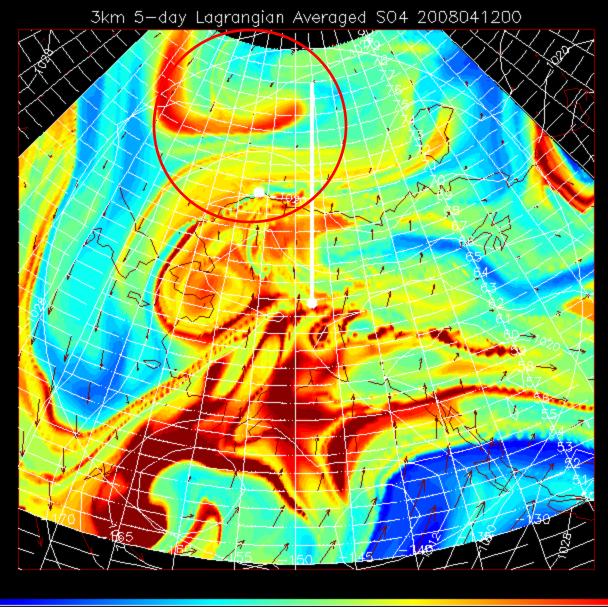


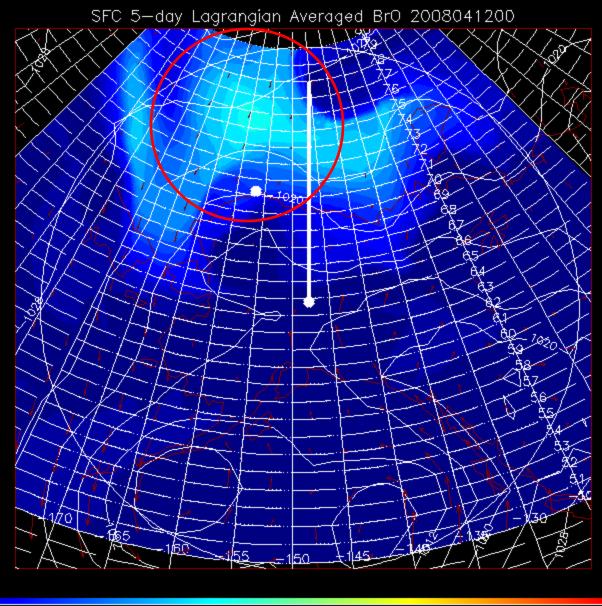
Friday (04/11) afternoon



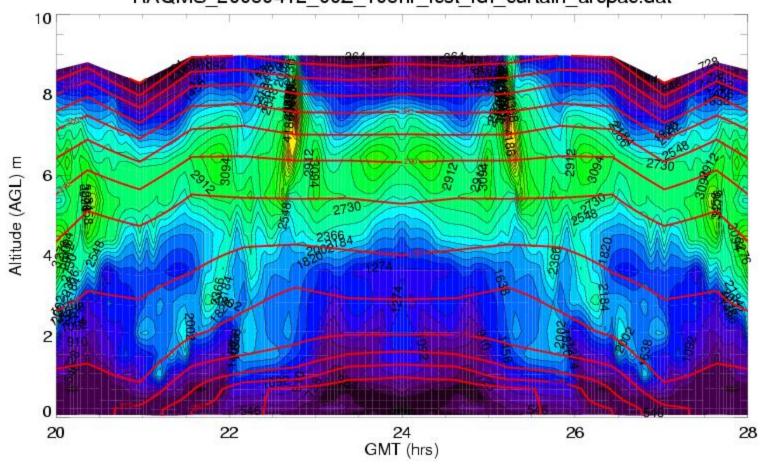
RAQMS_G 24hr ASSIM + 108hr Fx Initialized 12Z 20080406



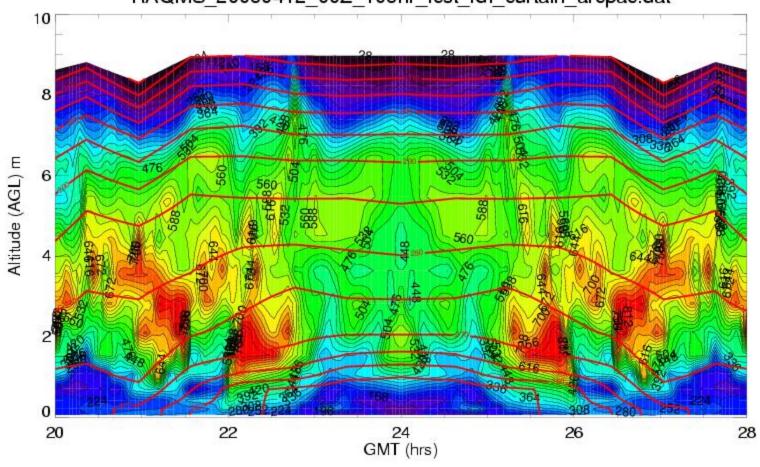




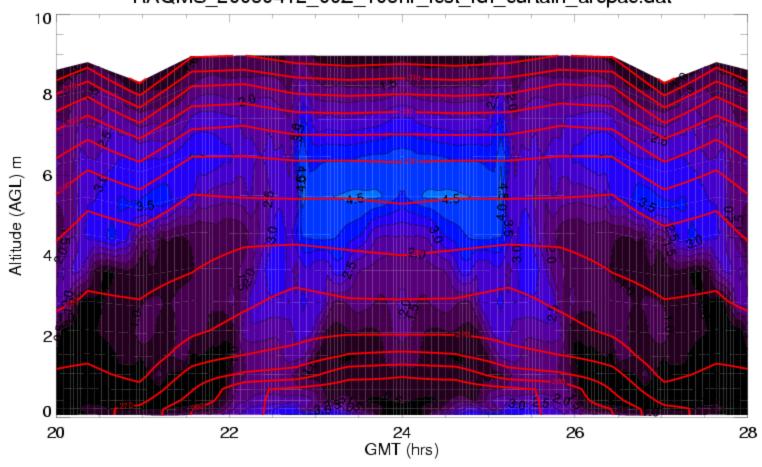
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108hr FX iso4 Cl= 28.0000 max= 862.261 RAQMS_20080412_00Z_108hr_fcst_rdf_curtain_arcpac.dat



108hr FX ibro Cl= 0.500000 max= 4.68774 RAQMS_20080412_00Z_108hr_fcst_rdf_curtain_arcpac.dat



108hr FX iox Cl= 6.00000 max= 251.477 RAQMS_20080412_00Z_108hr_fcst_rdf_curtain_arcpac.dat

